



herewith a Substitute Sequence Listing in paper and computer readable form. Please consider the following amendments and remarks.

IN THE SPECIFICATION

Please delete the Sequence Listing and substitute therefor, the Substitute Sequence Listing included herewith.

Please **amend** the text beginning at page 41, line 10 and ending at page 41, line 13 with the following rewritten text:

AN
Oligo 7: 5' GCGTCGACGC GATGGGTTTC GTGCTTTCT CTCAGCTTCC
ATCTTCCTT CTTGTGTCTA CTCTTCTTCT TTTCC 3'
(SEQ. ID. NO. 5)

AN
Oligo 8: 5' TCGCCGGCAC GGCAAGAGTA AGAGATCACA AGGAAAAGAA
GAAGAGTAGA CACAAGAAGG AAAGATGGAA GC 3'
(SEQ. ID. NO. 6)

Please **amend** the paragraph beginning at page 42, line 9 and ending at page 42, line 11 with the following rewritten text:

AN
Oligo 9: 5' GATAAGCTTA TCGGTTCCCTG CGTGTGGGGT GCTGTGAAC
ACACTTCCGA TTGCAACGGT GAGTGCAAGA GGAGGGGTTA 3'
(SEQ. ID. NO. 7)

AN
Oligo 10: 5' CCGGATCCGT CGACACGTT GCCTCGCCGA GCTCTCAAGT
CTCGCACCAAG CAGTCACGT TAGCGAAGGA ACCGCAGTGA
CCACCCTTGT AACCCCTCCT CTTGCACTC 3' (SEQ. ID. NO. 8)

Please **amend** the paragraph beginning at page 44, line 15 and ending at page 44, line 17 with the following rewritten text:

AN
Oligo 11: 5' AGGGCCCCCT AGGGTTAAA CGGCCAGTCA GGCGAATT
GAGCTCGGTA CCCGGGGATC CTCTAGAGTC GACCTGCAGG
CATGC 3' (SEQ. ID. NO. 9)

AA3 cont.
Oligo I2: 5' CCCTGAACCA GGCTCGAGGG CGCGCCTTAA TTAAAAGCTT
GCATGCCTGC AGGTCGACTC TAGAGG 3' (SEQ. ID. NO. 10)

Please amend the paragraph beginning at page 46, line 19 and ending at page 46,
line 21 with the following rewritten text:

AA4
Oligo I3: 5' CCGGCCAGTC AGGCCACACT TAATTAAGTT TAAACGCGGC
CCCGGCGCGC CTAGGTGTGT GCTCGAGGGC CCAACCTCAG
TACCTGGTTC AGG 3' (SEQ. ID. NO. 11)

AA4
Oligo I4: 5' CCGGCCTGAA CCAGGTACTG AGGTTGGGCC CTCGAGCACA
CACCTAGGCG CGCCGGGGCC GC GTTAAAC TTAATTAAGT
GTGCCCTGAC TGG 3' (SEQ. ID. NO. 12)

Please amend the text beginning at page 48, line 9 and ending at page 48, line 10
with the following rewritten text:

AA5
Oligo I5: 5' GGTCTAGAAT GGCCTGCACC AACAACGCCA TGAGGGCCCT
CTTCCTCCTC 3' (SEQ. ID. NO. 13)

AA5
Oligo I6: 5' CCGAATTCTGG CGCCGTGCAC GATGCAGAAG AGCACGAGGA
GGAAGAGGGC 3' (SEQ. ID. NO 14)

Please amend the text beginning at page 49, line 9 and ending at page 49, line 10
with the following rewritten text:

AA6
Oligo I7: 5' GATAAGCTTA TCGGTTCTG CGTG 3' (SEQ. ID. NO. 16)

AA6
Oligo I8: 5' GGCTCGAGTC AAGTCTCGCA CCAGCAGTTC AC 3'
(SEQ. ID. NO. 17)

Please amend the text beginning at page 59, line 10 and ending at page 59, line
13 with the following rewritten text:

AA7
Oligo 19: 5' GATCCTTCGC TAACGTTAAC TGTTGGTGTA GAACCTGATA
GG 3' (SEQ. ID. NO. 27)

AP cont.
Oligo 20: 5' TCGACCTATC AGGTTCTACA CCAACAGTTA ACGTTAGCGA
AG 3' (SEQ. ID. NO. 28)

Please ~~amend~~ the paragraphs beginning at page 59, line 25 and ending at page 59,
line 26 with the following rewritten paragraphs:

AP
Oligo 21: 5' CTAGTGAUTG CAACGGCGAG TGCTTGTTC GC 3'
(SEQ. ID. NO. 29)

Oligo 22: 5' GCAACAAGCA CTCGCCGTTG CAGTCA 3' (SEQ. ID. NO. 30)

Please ~~amend~~ the paragraph beginning at page 60, line 17 and ending at page 60,
line 18 with the following rewritten paragraph:

AP
Oligo 23: 5' CTAGTGAUTG CGCTGCTGAG TGCAAGCGGC GC 3'
(SEQ. ID. NO. 31)

Oligo 24: 5' GCCGCTTGCA CTCAGCAGCG CAGTCA 3' (SEQ. ID. NO. 32)

Please ~~amend~~ the paragraph beginning at page 61, line 3 and ending at page 60,
line 7 with the following rewritten paragraph:

AP 10
Oligo 25: 5' AGCTTGGATA AAAGAGCTGC-TGCTGCTGGT AGCTGTGTT 3'
(SEQ. ID. NO. 33)

Oligo 26: 5' GGGGCGCCG TCAACTACA 3' (SEQ. ID. NO. 34)

Oligo 27: 5' CTAGTGTAGT TGACGGCGCC CC 3' (SEQ. ID. NO. 35)

Oligo 28: 5' AACACACAGCT ACCAGCAGCA GCAGCTCTTT TATCCA 3'
(SEQ. ID. NO. 36)

Please ~~amend~~ the paragraph beginning at page 61, line 18 and ending at page 61,
line 19 with the following rewritten paragraph:

AP
Oligo 29: 5' CTAGTGAUTG CGCTGCTGAG TGCTTGTTC GC 3'
(SEQ. ID. NO. 37)

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PATENT

Oligo 30: 5' GCAACAAGCA CTCAGCAGCG CAGTCA 3' (SEQ. ID. NO. 38)

AAM
cont.